REMARKS

Applicants thank the Examiner for the thorough Examination given the present application. Claims 1-25 are currently being prosecuted. The Examiner is respectfully requested to reconsider his rejections in view of the amendments and remarks as set forth below.

Entry of Amendment

Applicants submit that entry of the present Amendment is proper since it is accompanied by a Request for Continued Examination.

Title

Applicants have amended the title to reflect the changes in the claims by way of the present amendment.

Rejection under 35 USC 102

Claims 1-3 and 8-12 stand rejected under 35 USC 102 as being anticipated by Cottle et al. (US Patent 6,263,396). This rejection is respectfully traversed.

Cottle does not teach or suggest the step of storing frame data, which corresponds to a frame of a display screen without OSD data, in a display buffer with plural registers.

Cottle recites that the display area that does not contain any OSD data, such as background color or motion video, is not included in the frame memory. (see column 42, lines 37-39, and FIG. 18E). Thus, data stored in the frame memory of Cottle is OSD data only, not "the frame data corresponding to a frame of a display screen without OSD data".

Examiner contends that Cottle discloses that the display screen may include non-OSD data (Full screen background 1110 (FIG. 18D) or Full screen MPEG motion picture 1120 (FIG. 18D) in addition to OSD data (windows 1100, 1102, 1104, 1106, 1122, 1124)), thus the frame data corresponds to the frame of a display screen with and /or without OSD data meeting the claimed limitation.

However, Applicant disagrees that Cottle teaches or suggests storing frame data, which corresponds to a frame of a display screen without OSD data, in a display buffer with plural

KM/RFG/cdr

registers. FIG. 18D of Cottle is *a display result*, such as the images displayed on display screen 60 of FIGs. 2 and 3 of the invention. Thus, even Cottle discloses the display result shown in FIG. 18D, Cottle *does not teach or suggest* the display result is generated by the step of *storing frame data* corresponding to a frame of a display screen without OSD data in *a display buffer* with plural registers, and the step of copying the OSD data and storing the OSD data to the registers corresponding to the OSD window by a data processing method.

Claim 1, as amended, recites an OSD control method comprising storing frame data, which corresponds to a frame of a display screen without OSD data, in a display buffer with plural registers; storing the OSD data, which corresponds to an OSD window included in the frame, in a memory; determining whether an OSD function is enabled; and copying the OSD data and storing the OSD data to the registers corresponding to the OSD window by a data processing method in response to the OSD function is enabled.

Cottle does not teach or suggest the step of determining whether an OSD function is enabled, and copying the OSD data and storing the OSD data to the registers corresponding to the OSD window by a data processing method *in response to a determination that the OSD function is enabled*. Since the step of determining whether the OSD function is enabled is not taught by Cottle, the step of copying the OSD data and storing the OSD data to the registers corresponding to the OSD window by a data processing method described by Cottle is not performed *in response to the enablement of the OSD function*.

However, Applicant disagrees that Cottle teaches or suggests storing frame data, which corresponds to a frame of a display screen without OSD data, in a display buffer with plural registers. FIG. 18D of Cottle is a display result, such as the images displayed on display screen 60 of FIGs. 2 and 3 of the invention. Thus, even Cottle discloses the display result shown in FIG. 18D, Cottle does not teach or suggest the display result is generated by the step of storing frame data corresponding to a frame of a display screen without OSD data in a display buffer with plural registers, and the step of copying the OSD data and storing the OSD data to the registers corresponding to the OSD window by a data processing method.

Accordingly, Applicants submit that claim 1 is allowable over the Cottle et al. reference. Dependent claims 2-14 are also considered to be allowable based on their dependency from

KM/RFG/cdr

claim 1. Further, Applicants submit that these claims are additionally since they are recite additional allowable limitations.

Rejection under 35 USC 103

Claims 4-7 stand rejected stand rejected as being obvious over Cottle et al. This rejection is respectfully traversed.

The Examiner feels that the limitations of the dependent claims would be obvious over the teachings of Cottle et al. Applicants submit that these claims remain based on their dependency from allowable claim 1 even if these differences would be considered to be obvious.

New Claims

Applicants have also added new dependent claims 13 and 14 which are also allowable based on their dependency from claim 1 and further include other additional limitations. Further, these claims recite the determination of whether the OSD data stored in the memory is changed and whether the video overlay is enabled. Applicants submit that these limitations are also not seen in the reference.

Applicants have also added new claims 15-25 which relate to the corresponding display device. Applicants that these limitations are also allowable for similar reasons recited above in regard the method claims. In particular, these claims recite a display device comprising an OSD memory for storing the OSD data corresponding to an OSD window to be displayed in the frame. Applicants submit that the reference does not teach the OSD data replacing the frame data stored in the registers corresponding to the OSD window. Accordingly, independent claim 15 and dependent claims 16-25 are similarly allowable.
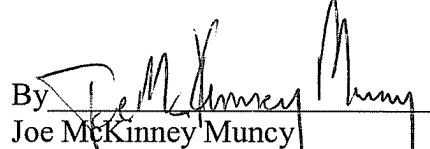

Conclusion

In view of the above remarks, it is believed that the claims clearly distinguish over the patent relied on by the Examiner. In view of this, reconsideration of the rejection and allowance of the all the claims are respectfully requested.

KM/RFG/cdr

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Robert F. Gnuse, Reg. No. 27,295 at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37.C.F.R. §§1.16 or 1.14; particularly, extension of time fees.

Dated: December 11, 2006

Respectfully submitted,

By

Joe McKinney Muncy
Registration No.: 32,334
BIRCH, STEWART, KOLASCH & BIRCH, LLP
8110 Gatehouse Road
Suite 100 East
P.O. Box 747
Falls Church, Virginia 22040-0747
(703) 205-8000
Attorney for Applicant

KM/RFG/cdr